

REVIEW ON FOREST REPORT.

CONSTITUTION

RAJASTHAN not been completed their area has not been added to the total area protected, which stands at 365·48 square miles inclusive of 20 miles devoted to fuel and fodder reserves. The old pillars were whitewashed and kept in good order as usual.

MANAGEMENT.—The working plans of 6 more forests as also those of the *animal* area were prepared so that the entire Godwar and Sojat ranges were brought under regular system. The standing coupes having been sold, the 4 depots established for the sale of forest produce were closed. 8 miles of cart track and 5 miles of bridle path were laid out in Sojat Range to facilitate the transport of fuel.

PROTECTION OF FORESTS.—The forest offences showed a considerable falling off. With abundance of pasturage outside the forests there was a remarkable decrease in the numbers of cattle impounded for illicit grazing. 36 per cent of the area over which protection is sought took fire showing a slight increase over the figures of the last year, and the excess is due to the upper Boundary line remaining uncleared of shrubs and trees in consequence of the want of co-operation on the part of the Meywar authorities.

SYLVICULTURE.—The rains being copious there was an excellent germination of all sorts of species. With a view to improve the growing stock, the "selection method," has been adopted in the case of *Anogeissus latifolia*, *Boswellia thurifera* & *O. Wodier* species, whereas the Dhan and Kharir are worked under "coppice" with Standard System.

EXPLOITATION.—As compared with last year, the out-put of timber was heavier, but that of fuel was slightly less. The former was due to an abnormal demand necessitated by the great damage done to houses by heavy rains of the preceding years.

FINANCIAL RESULTS.—The financial results are satisfactory in as much as that the revenue went up from Rs.72,156 to 78,537 and the expenditure from 59,391 to 62,442 giving a surplus of 16,095 against 13,065 last year.

The revenue from both the major and minor produce which are 80·7 and 15·3 per cent respectively of the total income shows an excess of Rs. 5,573. Of the expenditure 76·3 per cent was incurred on extension, constitution, improvement, exploitation and the balance represents establishment charges.

The Superintendent Babu Lachman Das worked satisfactorily.

PANDIT SUKHDEO PERSHAD,

DATED JODHPUR, }
28th March 1910.

RAO BANADUR, B. A., C. I. F.,

MINISTER, Marwar State.

PROGRESS REPORT
OF
FOREST ADMINISTRATION
IN THE
MARWAR STATE
For 1908-09.

INTRODUCTION.

1. The Hinglaj-Indrana forests, aggregating about 20 square miles in extent, in Siwana Pargana, were brought under protection. They were being surveyed as the year closed and so their exact area would be given later on.

2. Working Plans for Bagol, Kot, Jujawar, Shiriari, Kantalia and Khorla forests were further prepared, leading to the regular working of the entire forests of the most important Ranges of Gohwar and Sojat.

3. The system of cutting and carting the outturn of the yearly coupes to the various sale depots departmentally, was replaced, much to the relief of the Forest staff, by that of selling the coupes standing. Excepting one in the Jujawar block, all the coupes were sold away. It was purposely retained wherefrom to provide fuel and coal for the State Departments. The depots at Guria, Chandawal, Dhareshar and Nana were thus no more necessary and were abolished.

4. The Working Plan of the Anwal areas was completed. Desuri and Bali compartments were leased out, Sojat and Jaswantpura being allowed to rest and improve.

CHAPTER I.

CONSTITUTION OF FORESTS.

Section 1.—Alterations in areas.

5. The area stands as under :—

Forest conservancy ...	...	275·11	Square miles.
Fuel and Fodder Reserves ...	...	20·	" "
Jagir Forests ...	...	70·37	Square miles.
Total		...	365·48
The area is classed as under :—			
Reserved Forests ...	...	Nil.	
Protected Forests ...	...	335·48	Square miles.
Unclassed or public Forest land ...	...	30·	" "
Leased Forests ...	...	Nil.	
Total		...	365·48 " "

Section II—Forest Settlement.

Nil.

Section III—Forest Demarcation.

6. The old Pillars were white-washed and kept in good order.

Section—IV. Survey.

Nil.

CHAPTER II.

Management of the State Forests.

Section. I—Regulation of Management.

(a) Preparation and control of working Plans.

7. Working Plans were further put into force in Sadri, Bhagura, Shiriari, Saran, Kantalia, Gudha and Khorla Forests and will soon be extended to the remaining ones, bringing under regular system all the forests from Nana to Depawns.

(b) Preliminary Working Plans.

Nil.

(c) Plan of Operations.

8. A Plan of Operations was, as usual, prepared and acted up to.

Section II—Communications and Buildings.

(a) Roads and Bridges.

9. Godhwar Range. No new roads were laid out. But the old ones were repaired and kept in good order at a cost of Rs : 52/2/9.

Sojat Range. 8 miles of cart track and 5 miles of bridle path were newly laid out in order to facilitate the extraction of fuel at a cost of Rs : 470/— Also the existing roads and bridle paths were repaired at a cost of Rs : 31/3/6.

(b) Buildings.

10. Godhwar Range. No new building was erected. A pucca compound wall was constructed round Sadri Chouki at an outlay of Rs : 350/—. The existing buildings were repaired at a cost of Rs : 22/7/—

Sojat Range. A forest Chouki at Jujawar, an office room at Marwar Junction and a temporary shed at Sojat Road were newly constructed at a cost of Rs : 132/—25/—29/10/9. respectively. Rs : 36/1/9, were spent on repairing other choukies.

(c) Miscellaneous.

Nil.

Section. III—Protection of Forests.

(a) General Protection.

11. Generally the criminal tribes behaved well. The Grassias of Gorra and Bab showed a tendency to break the Guzara rules framed for them, but their infringement was not of a serious nature. 153 cases of Forest offences in state Forests and 2 in Raipur and 3 in Jetaran (Jagir Forests) came under observation during the year. Out of them 4 were chalaned to Hakumat and the rest compounded departmentally. Convictions were obtained in 2 cases.

12. The following table gives a classification of the offences:—

Class of offences.	Average for the past 3 years.	Offences during the year under Report.	Remarks.
Injury by fire	6	8	
Unauthorised fellings or removal of produce ...	131	75	
Grazing	94	38	
Other offences	61	37	
Total ...	292	158	

(b) Protection from fire.

13. The result of the measures taken for protection from fire was satisfactory. There were 8 occurrences, 7 in Godhwar and 1 in Sajat Range, burning 800 acres or .36 per cent of the area, 2,14,707 acres, over which protection was attempted. An amount of Rs. 467-8-6 or Rs. 1-6-3 per square mile was spent in this connection.

(c) Protection from cattle.

14. The whole of the area remained closed to sheep and goats throughout the year and to horned cattle during the rains. 3,147 cattle were impounded for illicit grazing against 4,534 of the last year, the decrease being due to the good crop of grass that was outside the forests

(d) Protection against injuries from natural causes.

— Nil.—

Section IV.—Silviculture.

(a) Natural Reproduction.

15. The rains were copious and steady and there was an excellent germination of all sorts of species.

The following table gives results of the areas hitherto coppiced.

GODHWAR RANGE.				Length	Girth
Nana 1906-07	...	{ Kher (Acacia Catechu)	...	9'-7"	-6 $\frac{1}{2}$ "
		{ Dhao (A. pendula)	...	5'-8"	-4 $\frac{1}{2}$ "
		{ Bor (Zizyphus Zylopyra)	...	12'-8"	-9 $\frac{1}{2}$ "
		{ Khirni (Wrightia Tinctoria)	...	7'-3"	-5 $\frac{1}{2}$ "
Nana 1907-08	...	{ Kher ...	...	8'-3"	-5"
		{ Dhao ...	...	4'-6"	-3"
		{ Bor ...	...	11'-6"	-6 $\frac{1}{2}$ "
		{ Khirni ...	...	4'-11"	-4 $\frac{1}{2}$ "
Nana 1908-09	...	{ Dhao ...	...	2'-1"	-1 $\frac{3}{4}$ "
		{ Kher ...	...	6'-8"	-2 $\frac{3}{4}$ "
		{ Bor ...	...	7'-1"	-3 $\frac{1}{2}$ "
Behra 1896-97	...	{ Kher ...	...	22'-	1 $\frac{1}{2}$ '
		{ Siris (Albizia lebbek)	...	24'-	1'-3"
		{ Gel ...	...	29'-	2'-8"
Behra 1907-08	...	{ Kher ...	...	7'-8"	-5"
		{ Dhao ...	...	4'-1"	-2 $\frac{1}{2}$ "
		{ Bor ...	...	10'-2"	-7 $\frac{1}{2}$ "
Behra 1908-09	...	{ Kher ...	...	6'-6"	-2 $\frac{3}{4}$ "
		{ Dhao ...	...	3'-2"	-2"
		{ Bor ...	...	8'-2"	-1 $\frac{1}{2}$ "
Bijapur 1906-07	...	{ Kher ...	...	10'-3"	-7"
		{ Dhao ...	...	6'-2"	-5"
		{ Bor ...	...	12'-7"	-10"
Bijapur 1907-08	...	{ Kher ...	...	8'-3"	-5 $\frac{1}{2}$ "
		{ Dhao ...	...	4'-	-5 $\frac{1}{2}$ "
		{ Bor ...	...	10'-3"	-7 $\frac{1}{2}$ "
Bijapur 1908-09	...	{ Kher ...	...	5'-6"	-2"
		{ Dhao ...	...	2'-9"	-1 $\frac{1}{2}$ "
		{ Bor ...	...	7'-6"	-3 $\frac{1}{2}$ "
Sewari 1907-08	...	{ Kher ..	...	6'-2"	-4 $\frac{1}{2}$ "
		{ Dhao ...	...	4'-2"	-3 $\frac{1}{2}$ "
		{ Bor ...	...	11'-10"	-8"
Sewari 1908-09	...	{ Kher ...	...	3'-8"	-3 $\frac{1}{2}$ "
		{ Dhao ...	...	2'-6"	-1 $\frac{1}{2}$ "
		{ Bor ...	...	8'-6"	-3 $\frac{1}{2}$ "
Latara 1905	...	{ Dhao ...	...	7'-	-4 $\frac{1}{2}$ "
		{ Kher ...	...	13'-	-6 $\frac{1}{2}$ "
		{ Kumatin (Acacia Rupestris)	...	13'-	-6"
Latara 1907-08	...	{ Kher ...	...	15'-	-8"
		{ Dhao ...	...	8'-1"	-5"
		{ Bor ...	...	4'-3"	-3 $\frac{1}{2}$ "
Latara 1908-09	...	{ Kher ...	...	10'-9"	-7 $\frac{1}{2}$ "
		{ Dhao ...	...	4'-0"	-2 $\frac{1}{2}$ "
		{ Bor ...	...	2'-5"	-1 $\frac{1}{2}$ "
			...	6'-0"	-2 $\frac{1}{2}$ "

Sadri 1896-97	...	Kantia Dhao	...	...	20'—	—11"
		Kher	...	...	20'—	1'—6"
		Kumtia	...	...	19'—	1'—0
Desuri 1905	...	Dhao	...	...	7'—6"	—4"
		Bor	...	...	15'—0	—5"
		Adra (Bauhinia retusa)	...	...	23'—	—4"

SOJAT RANGE.

Gudha Dhamatan 1892.	{	Dhao	...	...	17'—8"	1'—4"
		Bor	...	...	14'—9"	1'—9"
		Kumtia	...	...	16'—6"	1'—0
Nimbri 1903-04	{	Dhao	...	...	8'—4"	—6"
		Bor	...	...	9'—2"	—7'
		Kher	...	...	10'—9"	—8"

(b) Artificial reproduction.

16. There are no Taungya Plantations. The blanks in the forests were as usual sown broadcast with suitable species. The germination was excellent.

(c) Operations for the improvement of the growing stock.

17. The Marwar forest area is divisible into 2 zones, the upper and the lower. In the upper zone, the chief trees that grow there are the Salar (*B. thurifera*) the Bakli (*A. latifolia*) and the Gol (*O. wodier*); while in the lower the Dhao and Kher predominate. It is prescribed that the Dhao and Kher area should be worked under "coppice with standard" system, and that a number of trees should be removed annually from the upper by "selection" method, so as to give large space to the more important Bakli. This latter work was done for the first time this year.

(d) Experiments.

Nil.

Section V—Exploitation

(A) SYSTEM OF MANAGEMENT.

(a) Major Forest produce.

18. Working Plans were further extended to Sadri, and other forests enumerated in paras 2 and 7 above. The modification of the permit system, resulting from the introduction of the working plans, has been noted in para 15 of last year's report.

(b) Minor forest produce.

19. Collections of certain minor products gathered in by way of experiment continued to be made departmentally, while the rest were given on contract. Grazing was as usual allowed by permit.

(B) AGENCY OF EXPLOITATION.

(a) Departmental agency.

20. The total quantity of major produce extracted by the departmental agency from the state forests, namely the annual coupes excepting those enumerated in para 2, during the year came to 48,184 cubic feet of timber

2,76,351 cubic feet of fuel as against 17,294 cubic feet of timber and 5,53,201 cubic feet of fuel in the preceding year. The striking increase in the quantity was attributable to the great damage done to houses by heavy rains of 1907-08. The demand for timber was consequently so large that even Salar wood, which the people do not use in ordinary times, found a ready sale.

The sale of bamboos increased and that of minor produce decreased a little as compared with that in the last year. The departmental agency brought in a sum of Rs. 48,498/5/9, which represents 6 1/2 per cent of the total revenue.

(b) Purchasers.

21. The quantity of timber and fuel removed from the state forests by the purchasers during the year came to 18,899 cubic feet of timber and 2,32,168 cubic feet of fuel respectively as against 21,976 cubic feet of timber and 1,70,663 cubic feet of fuel during the preceding 12 months.

The sale of bamboos and other minor produce brought in a sum of Rs. 305/10/6. and Rs. 2,420/5/6. respectively as compared with Rs. 122/13. and Rs. 1,661/10/3. last year.

(c) Rights and privileges.

22. The total amount of timber and fuel removed by the right holders during the year came to 16,939 cubic feet and 2,61,110 cubic feet respectively as against 8,810 cubic feet and 1,41,507 cubic feet of last year. The revenue realised from the minor produce removed at reduced rates or free by the right holders is estimated at Rs. 55/- in the case of bamboos and Rs. 3,489/- in that of other minor produce as against 15/- and 4,265/- respectively during the preceding year. (Form No. 58).

(d) Free grants.

23. The free grants made to privileged persons are given in form no. 58.

(e) Outturn and sources of forest produce

24. The total outturn of major produce from state forests is calculated to be 83,122 cubic feet of timber and 7,72,639 cubic feet of fuel as against 48,110 and 8,68,371 cubic feet respectively during the preceding year. The increase in the quantity of timber extracted during the year under report was due to the conditions noted in Para 20 and also to the suitability of the year for agricultural operations which swelled the demand for forest produce. The value of minor produce came to Rs. 8,507/- as against Rs. 8,555/- during the preceding 12 months.

25. The cattle admitted into the State Forests for grazing during the year were 14,524.

26. The total expenditure on the management of the State Forests during the year came to Rs. 42,154/7/9.

CHAPTER III.

FINANCIAL RESULTS.

27. The revenue and expenditure of the year under report are compared with the figures for the preceding year and the average of the last five years in the following table:—

Years.	Receipts.	Charges.	Surplus.	Remarks.
1906-1909 ...	(1) 78,537	(2) 62,442	(1) 16,095	(1) Includes sale proceeds of Anwal.
1907-1908 ...	72,456	59,391	13,065	(2) Includes 5,303/11 given to Jagirdars in compensation.
Average of 5 years ...	58,779	44,324	14,455	

28. The revenue realised from major produce during the year under report came to Rs. 63,427/6/3. showing an increase of Rs. 6,179/10/6. as compared with that derived during the preceding year.. It is 80·7 per cent of the total income.

29. The sales from minor produce including bamboos, grass, grazing etc., brought in a sum of Rs. 12,068/10/6. representing 15·3 per cent of the total revenue. It shows a decrease of Rs. 606/8/3 as compared with that derived in the last year.

Rs. 3,041/8/3 were realised from other sources showing an increase of Rs. 508/13/9 on the preceding year, representing 4·0 per cent. of the total income.

30. 61·7 per cent of the total revenue was realised through state agency and 38·3 per cent otherwise.

31. The total expenditure of the year amounted to Rs. 62,442/6/9 showing an increase of Rs. 3,051/11/9 as compared with that incurred during the last year. 76·3 per cent of the expenditure was incurred on account of extension, constitution, improvement, protection and exploitation; while the establishment charges came to 23·7 per cent.

CHAPTER IV.

ADMINISTRATION.

32. Forest Inspector Rakheshwar continued to conduct the work in connection with the working plans. He did the work entrusted to him satisfactorily.

33. Forest Ranger Chaturbhuj went on long leave. His work was throughout satisfactory and praise-worthy. Forest Inspector Rakheshwar was entrusted with Sojat Range work in addition to his own.

34. Forest Ranger Gokalchand held charge of Godwar Range and gave satisfaction.

35. Head clerk Munshi Dasu Ram and Reader Kupnarain did their work satisfactorily.

36. The relations with the Revenue Department were smooth.

37. The general conduct of the Foresters Head Guards and Guards was good enough.

38. The supply of Sawars by the Bakhshi Jagir was fairly regular.

CHAPTER V.

GENERAL

Section A. General Remarks.

39. Adding together the grass cut this year and the balance in hand, the total quantity came to 32616 mds. Of this 2134 maunds 22 seers were burnt by an accidental fire and 651 maunds 18 seers spent in experiments, the balance in hand at close of the year being 29,830 maunds.

Section B. Fuel and Fodder Reserves.

40. No new areas were reserved. The old area stood distributed as under:—

Name.			Area in Bighas.
Banbholai	...	...	1,800
Sampa	...	...	544
Sowanin	...	...	437
Deoli	...	...	1,400
Udesi Kun	...	...	1,329
Khamal	...	...	295
Sadawas	...	...	78½
Bomadra	...	...	464½
Miniari	...	...	1,303
Bala	...	...	1,136
Hemliawas	...	...	150
Barsan	...	...	100
Gurba Bishnoyan	...	...	1,000
Pali	...	...	6,400
Nawagaon	...	...	100
Luni Badmer area	...	...	13,280

41. Sowings of Babul, Khejra and other suitable species were, as usual, made in all the reserves and, as the rains were copious and steady, with excellent result. The trees and shrubs are doing well.

42. The revenue and expenditure under this head came to

			Rs.	a.	p.
Revenue	...	...	883	2	6
Expenditure	...	...	2,061	4	0

Section C.—Arboriculture.

43. Three new roads viz. Chopasni, Mandore and Soorsagar roads were planted up for the first time. They took up 2,080 plants, mostly Gular, Nim, Jaman, and Siris.

44. 541 plants, mostly Nim and Siris, were put down by way of filling up the gaps along the roads.

45. Road-side planting in the districts was for the first time taken up and 765 plants of the kind of Mowa, Gular, Shisham and Banyan, were planted out as under:—

Along the cart track from Haripur Station to Raipur.

Ditto from Sojat Road to Sojat city.

Ditto do. to Saran.

Ditto from Falna to Sadri.

Ditto from Pali to Dholera.

Gular and Mowa are given particular attention to, in-as-much-as they are calculated to help the people in times of scarcity.

The Raipur Jagirdar was good enough to undertake the maintenance of the plants along the track from Haripur to Raipur, others being looked after by the Darbar.

46. The success attending the endeavours of the Darbar at avenue planting induced the general public to take up planting in their private grounds viz Cemeteries, Burning and Burial grounds, Bathing Ghats &c. 483 plants were issued to the various people free of charge for the purpose.

47. The old nurseries at Ratanada, Plantation. No 8 and Colonel Loch's well were maintained; as also that at Bera Chensukh. A new nursery was started at Lalsagar to provide planting material for roads and other places round Mandore and Balsamand. They contained 16714 plants at the close of the year as follows:—

Nim	...	...	...	6,672
Siris	...	...	...	2,267
Am	...	...	...	1,669
Jaman	...	...	...	1,398
Mowa	...	...	...	508
Gular	...	...	...	1,000
Miscellaneous	...	...	...	3,200
Total				16,714

48. There were in all 26,139 plants in charge of the Department, of which 9,091 received and 17,048 did not receive watering.

49. The revenue amounted to Rs: 415/7/3. and the expenditure to Rs: 10,984/14/- as under:—

Protective establishment	...	Rs.	279	0	0
Watering	„	...	3,395	3	0
Malis	„	...	3,202	7	0
Working of wells	...	„	880	10	6
Keep and feed of bullocks	...	„	1,286	12	0
Planting	...	„	191	13	9
Fencing	...	„	1,616	9	3
Miscellaneous	...	„	132	6	6
Total	...	„	10,984	14	0

Section. D.—Gardens.

50. A number of gardens and some abandoned gardens in the Parganas were placed under the Department with a view to improve the old ones, and to replant those that had been abandoned.

It was also proposed to form at such gardens nurseries of suitable fruit trees so that plants might be given cost free to farmers and other private people for planting on their lands. The work is making good progress. A new garden was laid out at Desuri and the old one at Sadri was extended. As nurseries were started at most of the gardens, the Department would be in a position to give plants by the commencement of the rainy season.

51. The garden areas Lalsagar and Kaga were planted up anew; the planting material consisting mostly of mango, Anar and Jaman.

52. The planting of the Kailana valley was further extended and 500 plants put out, bringing the total number of plants in that area to over 1000.

53. At Takhsatsagar 14,00 plants were put out, 800 Anar and 600 mangoes, Jaman and Guava.

54. In Balsamand garden 575 plants, Anar, Mangoe and Narangi were planted out. They are coming up very well.

55. The laying out of the extension at Ratanada Palace gardens was completed and 999 plants put out in it.

56. The Revenue and expenditure under this head stood as under:—

Revenue	...	Rs.	3,604	2	3
Expenditure	...	„	40,967	6	0

The following forms are appended.

Form No.	...	...	...	46
„	„	...	...	52
„	„	...	...	53
„	„	...	...	57
„	„	...	...	58
„	„	...	...	59
„	„	...	...	61
„	„	...	...	62
„	„	...	...	63
„	„	...	...	65

APPENDICES.

Annual Form No. 46.*Forest Department, Marwar State. Area of Forests for 1908-09.*

State.	Range.	Area on 1st October 1908.		Added.	Excluded or transferred to other heads.	Area on 1st October 1909.		Number and date of Kaffat of addition and transfer.	Remarks.
		Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.		
Khalsa	Godhwar	124230	194.11	Protected Forests	...	124230	194.11	...	
	Sojat	41600	65.0	...	...	41600	65.0	...	
	Siwana	3840	6.0	...	...	3840	6.0	...	
	Raipur	8320	13.0	...	...	8320	13.0	...	
	Ghanerao	3277	5.12	...	...	3277	5.12	...	
	Bar	480	.75	...	...	480	.75	...	
	Barantra	960	1.50	...	...	960	1.50	...	
	Batra	960	1.50	...	...	960	1.50	...	
	Somel	1920	3.0	...	...	1920	3.0	...	
	Pi, Basi, Hanwal, ..	...	...	...	...	...	...	...
	Mayapur, Kaliyatra, ..	...	...	...	...	...	...	...
	and Bidind.	...	...	...	...	...	...	...
	Mokalsar, Ramnia, ..	...	...	...	...	...	...	...
	Mewri, Gugroth, ..	...	...	...	...	...	...	...
	Golia, Piplooh, ..	...	...	...	...	...	...	...
	Gudhanal, Sauer, ..	...	...	...	...	...	...	...
	Kundal, Sela, ..	...	...	...	...	...	...	...
	Janpur, Mangi, ..	...	...	...	...	...	...	...
	Dhiran, Telwara, ..	...	...	...	...	...	...	...
	and Bhagwan, ..	...	...	...	...	...	...	...
	Total protected Forests	21760	34.0	...	...	21760	34.0	...	
		214707	335.48	...	...	214707	335.48	...	
	Jodhpur waste lands	6400	10.0	Unclassed Forests.	...	6400	10.0	...	
	Fuel and Fodder Reserves	12800	20.0	...	...	12800	20.0	...	
	Total Unclassed Forests	19200	30.0	...	...	19200	30.0	...	
	Grand Total	233907	365.48	..	...	233907	365.48	...	

Forest Department Marwar State. Register of Breaches of Forest Rules during 1908-09.

(13 :)

Out of 158 new cases 5 belong to the Jagir forests and 153 to Khalsia forests.

Annual Form No. 53.

Forest Department, Marwar State. Area of Forests tracts protected from fire during the year 1908-09.

Range.	Forest tracts.	Year in which protection commenced.	Area actually protected during the last dry season.	Area attempted to be protected.	Failures.	Actually protected during the year.	Cost	REMARKS.	
Raj Department.	{ Khalsa ... Godhwar Sojat Siwana ...}	1,891	1,24,021	1,24,230	700	1,23,530	286	14 0	
		1,891	41,520	41,000	100	41,500	148	1 6	
		1,898	3,840	3,810	...	3,840	...	...
	{ ... Siwana ...}	1,898	21,760	21,760	...	21,760	...	...
		{ ... Parbatsar ...}	1,897	7,360	7,360	...	7,360
			Total Raj Department ...		1,98,501	1,98,790	800	1,97,990	434	15 6
	{ Jagir ... Raipur Ghanerao Jaitaran ...}	1,891	8,270	8,320	...	8,320	24	0 0	
		1,895	3,277	3,277	...	3,277	8	0 0	
		1,896	4,320	4,320	...	4,320	...	...
		Total Jagir	15,867	15,917	...	15,917	32	9 0
Grand Total ...		...	2,14,368	2,14,707	800	2,13,907	467	8 6

Annual Form No. 57.

Forest Department, Marwar State. Outturn (in cubic feet) of Timber and Fuel for the year 1908-09 and agency of exploitation.

Range.	TIMBER IN ROUGH LOGS.					TIMBER IN ROUGH POLES.					SWAN OR SQUARED TIMBER.					MISCELLANEOUS.					FUEL.					Total.	
	Raj Agency.	Purchasers.	Free grants.	Right holders.	Total.	Raj Agency.	Purchasers.	Free grants.	Right holders.	Total.	Raj Agency.	Purchasers.	Free grants.	Right holders.	Total.	Raj Agency.	Purchasers.	Free grants.	Right holders.	Total.	Raj Agency.	Purchasers.	Free grants.	Right holders.	Total.		
State Department.	...	...	...	...	...	30,134	9,655	...	8,300	48,149	...	...	...	...	...	1,56,207	2,17,388	...	2,53,355	6,26,950	6,75,099	...	...	...	...	...
	3	158	2,495	...	2,658	17,940	8,503	...	4,206	30,649	107	141	530	778	...	1,20,144	11,732	...	1,147	1,33,023	1,67,106	...	...	...	...	...
	412	...	448	860	9,618	9,618	10,478
	...	30	30	3,048	3,048	3,078

Total	3	188	2,495	2,495	2,686	48,074	18,570	13,014	79,658	107	141	530	778	...	...	2,76,351	2,32,168	2,64,120	7,500	23,297	8,55,761	...	...	...	...	...
Jagir.	...	...	...	...	...	416	910	2,540	3,866	...	...	...	...	...	...	10,460	5,337	...	7,500	23,297	27,163	...	...	...	...	...
	...	...	...	...	...	...	715	3,328	4,043	...	...	...	...	...	...	...	320	...	17,920	18,240	22,283	...	...	...	...	...
Total	...	...	...	...	...	416	1,025	5,868	7,909	...	...	...	...	...	...	10,460	5,657	...	25,420	41,537	49,446	...	...	...	...	...
Grand total	3	188	2,495	2,495	2,686	48,490	20,195	18,882	87,567	107	141	530	778	...	...	2,86,811	2,37,825	2,89,540	8,14,176	9,05,207	...	...	...	...	...	...

Annual Form No. 58.

Forest Department, Marwar State. Outturn of minor produce during the year 1908-09.

Range.	Description.	RAJ AGENCY.		PURCHASERS.		FREE GRANTS.		RIGHT HOLDERS.						TOTAL.		Remarks.
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	AT REDUCED RATE.		FREE.		TOTAL.				
								Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
Godhwar.	Bamboos No. ...	19,161	862	12,356	299	..	..	3,087	35	..	..	3,087	35	34,604	1,196	
	Grass (carts) ...	.....	...	28	7	..	..	..	..	449	112	449	112	477	119	
	" (Head loads)	.....	...	178	3	..	..	114	1	..	..	114	1	292	4	
	" Maunds	3,528	705	.....	...	..	..	.....	..	..	..	.....	..	3,528	705	
	Grazing cattle No.	.....	...	1,227	544	..	..	7,926	1,745	..	..	7,926	1,745	9,153	2,289	
	Honey, wax & hide contract, or mds. ...	2	24	.....	1,018	..	..	.....	..	..	..	.....	..	2	1,042	
	Kamri, head loads	.....	...	3,376	149	..	..	151	3	19	..	170	3	3,546	152	
	Mohoyá do.	230	60	2,462	154	..	..	2,618	84	..	..	2,618	84	5,310	298	
	Palá cart	.....	...	14	7	..	..	.....	..	..	..	.....	..	14	7	
	Dhak leaves Head loads	.....	...	52	2	..	..	.....	..	..	..	.....	..	52	2	
	Thorns cart	.....	...	24	3	..	..	.....	..	10	1	10	1	34	4	
	Stone "	.....	...	189	16	..	..	.....	..	..	..	.....	..	189	16	
	Miscellaneous	3	3

[illegible]

Annual Form No. 58.—(Continued.)

Forest Department Marwar State. Outturn of minor produce during the year 1908—09.

Range.	Description.	RAJ AGENCY PURCHASERS.		FREE GRANTS.		RIGHT HOLDERS.						TOTAL.		Remarks.
		Quantity.	Value.	Quantity.	Value.	AT REDUCED RATE.		FREE.		TOTAL.		Quantity.	Value.	
						Quantity.	Value.	Quantity.	Value.	Quantity.	Value.			
Siwana ...	Ber fruit	...	...	256	8	...	...	...	...	...	...	256	8	
	Kamri	...	...	324	30	...	...	122	8	122	8	446	38	
	Gangroo	...	...	60	8	...	...	8	1	8	1	68	9	
	Pala cart	...	...	...	...	...	...	24	12	24	12	24	12	
	Miscellaneous	...	...	38	2	...	...	...	1	...	1	38	3	
Parbatsar.	Grazing cattle No.	...	...	30	11	2,052	267	...	...	2,052	267	2,082	278	
	Grass cart	...	...	101	25	...	...	...	...	...	...	101	25	
	" Head loads	...	...	179	6	...	...	...	...	...	...	179	6	
Parbatsar.	Dhak leaves	...	...	31	2	107	3	...	...	107	3	138	5	
	Dasan Kamri	...	...	69	4	...	...	...	...	...	...	69	4	

	Munj lumpsum	...	.....	...	6	...	...	.....	...	...	...	.....	...	.....	6
	Miscellaneous	...	.....	...	2	...	...	.....	...	...	...	.....	...	.....	2
	Total Raj Department	...	26,164	2,257	25,436	2,726	...	18,909	2,751	8,759	773	27,668	3,524	79,268	8,507
Raipur ...	Grass Maunds	...	231	16	.....	...	...	.....	...	...	...	...	...	281	16
	" Head loads	...	.....	...	.....	...	...	.....	...	2,000	62	2,000	62	2,000	62
	Grazing cattle No.	...	.....	...	238	96	...	7,722	1,138	...	...	7,722	1,138	7,960	1,234
	Kanri Head load	...	.....	...	1,992	104	...	10	1	398	37	408	38	2,400	142
	Bamboos No.	...	.....	...	44	1	...	2,424	38	808	13	3,232	51	3,276	52
Ghaberao ...	Grass carts	...	.....	...	8	2	...	7	1	22	2	29	3	37	5
	" Head loads	...	.....	...	2,718	42	...	.....	...	...	...	...	...	2,718	42
	Grazing cattle	...	.....	...	27	10	...	234	29	28	3	262	32	289	42
	Stone cart	...	.....	...	.....	...	...	8	1	...	...	8	1	8	1
	" Head loads	...	.....	...	.....	...	...	622	19	...	...	622	19	622	19
	Miscellaneous	...	.....	...	.....	...	...	73	2	...	...	73	2	73	2
	Total Jagir	...	231	16	5,027	255	...	11,100	1,229	3,256	117	14,356	1,346	19,614	1,617
	Grand total	...	26,395	2,273	30,463	2,981	...	30,009	3,980	12,015	890	42,024	4,870	98,882	10,124

Annual Form No. 59.

Forest Department Marwar State. Account of Timber and other produce cut or collected by Raj Agency and brought into Depots, sold locally, or otherwise disposed of during 1908-09.

DESCRIPTION.	BALANCE AT COMMENCEMENT OF THE YEAR.		RECEIVED DURING THE YEAR.		TOTAL.		DISPOSED OF.		BALANCE AT CLOS OF THE YEAR.		REMARKS.
	No. or quantity.	Cubic feet.	No. or quantity.	Cubic feet.	No. or quantity.	Cubic feet.	No. or quantity.	Cubic feet.	No. or quantity.	Cubic feet.	
Timber:-	Godhwar	3,043½	.....	52	108,234½	52	104,356	52	3,878½	.....
	Sojat ...	21,498	45·5	199·1	115,718	244·6	102,190	218·8	13,523	25·8	
	Siwana	68	.....	.....	68	.....	.....	.....	68	.....
	Pali ...	402	.....	3,420	3,882	.....	2,494	.....	1,388	.....
	Jodhpur	811	.....	19,193	20,004	.....	7,503	.....	12,501	.....
	Balotra	1,418	.....	.....	1,418	.....	1,418	.....	.....	.....
Total	27,300½	45·5	222,019	251·1	249,319½	296·6	217,961	270·8	31,358½	25·8	
Firewood.	Godhwar	Mds. Srs. 7,893 30	.....	Mds. Srs. 36,312 0	Mds. Srs. 43,205 30	.....	Mds. Srs. 21,267 0	.....	Mds. Srs. 21,938 30	.....
	Sojat ...	8,100 35	.....	18,228 30	26,329 25	.....	16,896 11	.....	9,433 14	.....
	Siwana	1,543 30	.....	.....	1,543 30	.....	792 7	.....	751 23	.....
	Pali ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Jodhpur	1,100 0	.....	53,667 30	54,767 30	.....	54,591 37	.....	175 33	.....
Total	18,638 35	.....	107,208 20	.....	125,846 35	.....	93,547 15	.....	32,299 20	.....

Charcoal.	Godhwar	...	Mds. Srs.	.....	Mds. Srs.	.....	Mds. Srs.	.....	Mds. Srs.	.....	Mds. Srs.	.....
	...	...	105 38	.....	2,516 2	.....	2,622 0	.....	2,456 8	.....	165 32	.....
	Sojat ...	...	549 23	.....	1,288 32	.....	1,838 15	.....	1,782 0	.....	50 6	.....
	Jodhpur	...	316 17½	.....	878 38½	.....	1,195 16	.....	1,142 26	.....	46 30	.....
	Total	...	971 38½	.....	4,683 32½	.....	5,655 31	.....	5,387 3	.....	268 28	.....
Bamboos.	Godhwar	...	No.	.....	No.	.....	No.	.....	No.	.....	No.	.....
	...	...	7,985	.....	4,810	.....	12,105	.....	10,148	.....	2,047	.....
	Sojat ...	..	16,145	.....	400	.....	16,545	.....	12,674	.....	3,871	.....
	Siwana	...	7	.....	.....	.....	7	.. ..	7	.....	.....	.....
	Pali ...	...	8,610	.....	.....	.....	8,610	.....	2,038	.....	6,572	.....
Miscellaneous.	Jodhpur	...	1,935	.....	16,673	.....	18,608	.....	15,461	.....	3,147	.....
	Total	...	34,082	.....	21,883	.....	55,965	.....	40,328	.....	15,637	.....
	Godhwar	...	Rs.	.....	Rs.	.....	Rs.	.....	Rs.	.....	Rs.	.....
	...	...	3,247	.....	789	.....	4,036	.....	412	.....	3,624	.....
	Sojat ...	...	2,051	.....	604	.....	2,655	.....	298	.....	2,357	.....
Miscellaneous.	Siwana	...	542	.....	2	.....	544	.....	2	.....	542	.....
	Parbatsar	...	6	.....	.....	.....	6	.....	.....	.....	6	.....
	Total	...	5,846	.....	1,395	.....	7,241	.....	712	.....	6,529	.....

Annual Form No. 61.

Forest Department Marwar State.—Summary of Revenue of Marwar Forests during the year 1908-1909.

Budget Heads.	Direction.	Godwar.	Sojat.	Siwana.	Parbatsar.	Pali.	Total.	Remarks.
<i>I. Timber and other Forest produce removed from the Forest by Raj agency.</i>								
(a) Timber	1351	9 3	11583 14...	6652 8 9	92 9 9	434 9 6	20215 3 3	
(b) Firewood and charcoal	24207	3...	338 5 9	2072 4 3	35 13 3	...	26653 10 3	
(c) Bamboos	913	3	225 1 9	251 1 9	...	70 8...	1439 11 9	
(d) Grass and other minor produce	29	5...	33 8 6	104 12...	2 3...	...	169 12 6	
<i>II. Timber and other produce removed from the Forests by purchasers or consumers.—</i>								
(a) Timber	15	6 6	3872 11 6	3065 1 6	134 1 9	...	7088 5 3	
(b) Firewood and charcoal	7809	2...	1841 15...	231 7 6	41 13...	...	9470 3 6	
(c) Bamboos	...	...	334 2 6	5 2 6	1 5 6	...	340 10 6	
(d) Grazing and Fodder grass	...	...	2300 11 9	519 3 6	146 11 6	...	3275 14 9	Includes sales of an-
(e) Other minor produce	4950	...	1439 8 3	360 10 6	55 3 3	...	6822 9...	wal.
<i>III. Confiscated Drifts and waifwood</i>	...	...	...	...	...	...	...
<i>IV. Revenue from Forests not managed by Raj.</i>								
(a) Duty on foreign timber and other Forest produce.	2	10...	1034 7 3	528 1 6	...	...	1565 2 9	
(b) Revenue from shared and private forests	...	...	...	102 1 6	...	...	102 1 6	
<i>V. Miscellaneous.</i>								
(a) Fines and forfeitures.	...	...	...	1 10 6	...	...	1 10 6	
(b) Refunds.	...	3 9	1 1 6	...	15 7 9	...	16 13 0	
(c) Other sources	243	6	406 3 3	267 3 6	298 7...	57 15 3	1355 12 6	
Total Forest Conservancy.	39521	8 8	23011 11...	14161 5 3	323 11 9	563	78537 9 0	

Jagir Forests.	Add Arboriculture</
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Annual Form No. 61.—(Continued.)

Forest Department, Marwar State Summary of Expenditure of different ranges in Marwar Forests during the year 1908-09.

Budget Heads.		Direction.	Godhwar.	Sojat.	Siwana.	Farbatsar.	Pali.	Total.	Remarks.
<i>A.—Conservancy and works.</i>									
<i>I.—Timber and other produce removed from the Forests by Raj Agency.—</i>									
(a) Timber	...	103	4,970	11 6	55	5 6	194	1 6	6,624 5 3
(b) Firewood and Charcoal	...	11,232	4 9	8,913	15 6	526	2 3	1 0	31,271 13 9
(c) Bamboos	...	241	7 0	400	10 3	...	...	...	642 1 3
(d) Grass and other minor produce	...	669	5 0	104	2 3	...	...	...	792 3 3
<i>II.—Timber and other produce removed from the forests by purchasers or consumers.—</i>									
<i>III.—Confiscated Drift and waifwood.—</i>									
<i>IV.—Revenue from forests not managed by Raj.—</i>									
(a)—Duty on foreign timber and other forest produce	...	...	66	0 0	...	...	...	...	66 0 0
(b)—Revenue from shared and private forests	...	...	...	...	...	...	...	...	...
<i>V.—Revenue from leased forests and payments to share-holders in forests managed by Raj.—</i>									
<i>VI.—Live Stock, stores, Tools and plants.—</i>									
(a) Purchase of cattle	...	...	...	...	...	...	...	...	...
(b) Feed and keep of cattle	...	78	6 6	...	...	...	...	...	...
(c) Purchase of stores, tools and plants	...	352	5 0	...	...	...	...	...	...
<i>VII.—Communication and Buildings.—</i>									
(a) Roads and Bridges	...	...	52	2 9	...	...	...	...	...
(b) Buildings	...	...	372	7 0	...	...	...	...	...
(c) Other works	...	...	...	...	...	...	...	...	...
<i>VIII.—Demarcation, improvement and extension of Forests.—</i>									
(a) Demarcation	...	...	6	0 0	...	...	...	...	...
(b) Compensation of lands	...	...	...	4 3 6	2 4 0	...	...	...	...
(c) Surveying and working plans	...	107	6 0	...	...	...	...	...	...
(d) Sowing and planting	...	28	11 0	158	11 3	...	...	...	...
(e) Protection from fire	...	...	286	14 0	118	1 6	...	...	...
(f) Other works	...	...	...	...	...	...	...	...	...
<i>IX.—Miscellaneous.—</i>									
(a) Refunds	...	...	...	...	1	2 0	...	...	...
(b) Law charges	...	...	...	...	...	...	...	...	...
(c) Other works	...	...	81	2 0	205	1 6	...	...	...
Total A.—Conservancy		12,813	9 3	15,311	4 6	822	9 9	1 6	42,322 3 9

Annual Form No. 62.

Forest Department, Marwar State. Account current for the year 1908-09.

	Rs.	A. P.	Rs.	A. P.		Rs.	A. P.	Rs.	A. P.
Cash balance (Imprest) ...	.....	...	12,000	...	Remittances to Treasuries—				
Revenue as per annual summary Form No. 61 Forest:—Conservancy ...	78,537	9...	.....	...	Forest revenue in cash and by adjustment...	78,537	9	.....	...
Arborealiculture ...	415	7 3	.....	...	Arborealiculture ...	415	7 3	.....	...
Gardens ...	3,604	2 3	.....	...	Gardens ...	3,604	2 3	.....	...
Fuel and Fodder Reserves ...	883	2 6	83,440	5...	Fuel and Fodder Reserves ...	883	2 6	83,440	5
Advances by recoupement of Imprest ...	.....	...	1,17,581	6...	Expenditure as per Form No. 61.				
					Forest conservancy ...	82,442	6 9	.....	...
					Arborealiculture ...	10,984	14 0	.....	...
					Gardens ...	40,967	6 0	.....	...
					Fuel and Fodder Reserves ...	2,061	1 0	1,16,455	14 9
					Inter department transfer:—				
					Miscellaneous (including Dharmada, &c.) ...	.....	...	1,125	7 3
					Balance returned to treasury ...	.....	...	3,000	...
					Balance *	.....	...	9,000	...
Total ...	.....	...	2,13,021	11...	Total ...	.....	...	2,13,021	11 0

*Includes Rs. 2,000 advanced for grass cutting

Annual Form No. 63.

Forest Department, Marwar State. Revenue and outstanding on account of Revenue during 1908-09.

Range.	Particulars.	Balance at commencement of the year.	Value of sales.	Total.	Realised during the year.	Balance.	Remarks.
Godhwar ...	Forest Conservancy ...	40 12 0	23,203 7 0	23,244 3 0	23,011 11 0	232 8 0	
Sojat ...	" ...	136 10 6	14,160 7 3	14,297 1 9	14,161 5 3	135 12 6	
Sivana ...	" ...	.....	823 11 9	823 11 9	823 11 9	.....
Parbatsar ...	" ...	3 8 0	452 12 0	456 4 0	456 4 0	.....
Pali ...	" ...	319 11 6	448 0 9	767 12 3	563 0 9	204 11 6	
Jodhpur and Direction ...	Arboriculture and Fuel and Fodder Reserves. ...	2,704 0 0	41,442 1 6	44,146 1 6	40,820 2 0	3,325 15 6	
	Total ...	3,204 10 0	80,530 8 3	83,735 2 8	79,836 2 9	3,898 15 6	

Annual Form No. 65.*Forest Department, Marwar State. Financial Results of the year 1908-09.*

Range.	TIMBER AND PRODUCE REMOVED FROM THE FOREST BY RAJ AGENCY.		OTHER REVENUE.		Formation protection and improve- ment of forest.	TOTAL.		Remarks.
	Receipts.	Charges.	Receipts.	Charges.		Receipts.	Charges.	
Godwar	12,281	14,389	10,731	4,327	380	23,012	19,096	
Sojat	9,081	11,918	5,080	2,311	311	14,161	16,040	
Sivana	130	581	694	1,324	16	824	1,921	
Parbatsar	...	...	456	660	.....	456	660	
Pali	505	194	58	11	.....	563	203	
Jodhpur and Direction	26,501	12,247	13,020	12,137	136	39,521	24,520	
Total	48,498	39,320	30,039	22,270	843	78,537	62,442	
Raipur	227	304	2,003	610	24	2,230	938	
Ghanero	...	...	759	...	195	759	195	
Bar	...	...	144	...	115	144	115	
Barantia	...	...	22	...	78	22	78	
Babra	...	...	81	...	81	81	81	
Sonel	...	...	320	...	96	320	96	
Total	227	304	3,329	610	589	3,356	1,503	
GRAND TOTAL	48,725	39,633	33,368	22,880	1,432	82,093	63,915	

